

## ABSTRACT OF THE DISCLOSURE

The invention intends to solve a problem that an S/I ratio of a signal from a target base station deteriorates when there is a terminal near another base station. For this purpose, a signal replica of the signal from the nearby base station is generated and the replica is subtracted from a receiving signal. A signal of the target base station is detected from the resultant receiving signal. The signal from the nearby base station is deleted from the denominator of the S/I ratio, thereby increasing the S/I ratio.